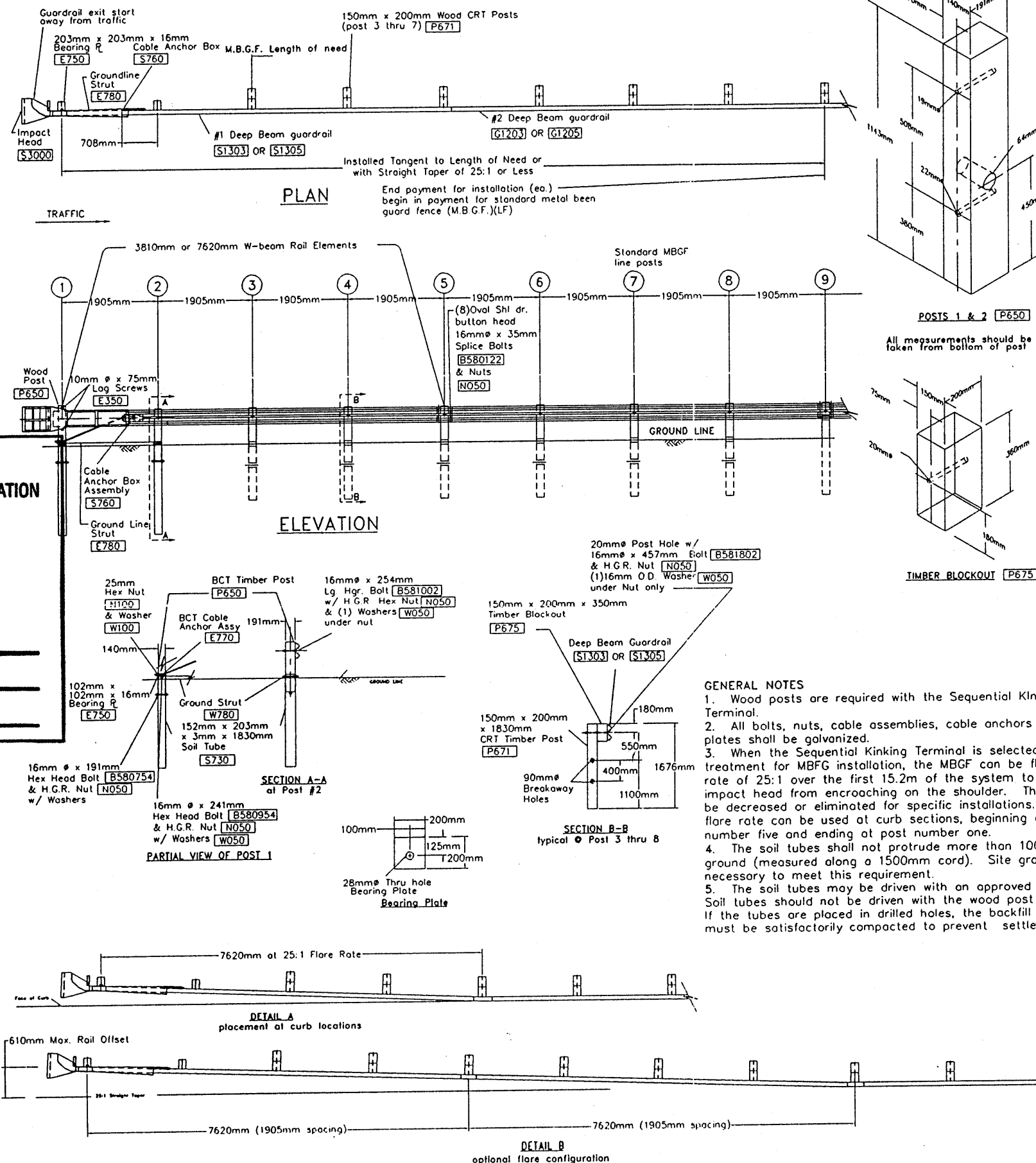


☐ **Rejected**

DATE: 9/3/18



ITEM NO.	QTY	BILL OF MATERIALS
S3000	1	IMPACT HEAD
S1303/S1305	1	#1 DEEP BEAM GUARDRAIL 12 GA. ^{3810mm OR 7620mm}
G1203/G1205	3/1	#2 DEEP BEAM GUARDRAIL 12 GA. ^{3810mm OR 7620mm}
S730	2	FOUNDATION SOIL TUBE, ^{152mm x 203mm x 1830mm}
E740	1	PIPE SLEEVE (60.3mm x 52.5mm x 150 mm)
E750	1	BEARING PLATE, 200mm x 200mm x 16mm
S760	1	CABLE ANCHOR BOX
E770	1	BCT ANCHOR CABLE
E780	1	GROUND STRUT
P650	2	^{140mm x 190mm x 1143mm} WOOD POSTS
P671	6	^{150mm x 200mm x 1830mm} WOOD CRT POST
P675	6	^{150mm x 200mm x 360mm} TIMBER BLOCKOUT
E3151	1	OBJECT MARKER (Not Shown)
		HARDWARE
B580122	16/32	16mmØ x 32mm SPLICE BOLT
B580754	2	16mmØ x 191mm HEX BOLT
B51004	2	16mmØ x 254mm HEX BOLT
B581002	1	16mmØ x 254mm H.G.R. BOLT (POST 2 ONLY)
B581802	6	16mmØ x 457mm H.G.R. BOLT (POST 3 THRU 6)
N050	27/43	16mmØ H.G.R. NUT (SPLICE 16/32, SOIL TUBES 2, STRUT 2, POST 2, POST 3 THRU 8,)
W050	11	H.G.R. WASHER
N10	2	25mm ANCHOR CABLE HEX NUT
W100	2	25mm ANCHOR CABLE WASHER
E350	2	10mm x 76mm LAG SCREW
S858A	1	CABLE ANCHOR BOX SHOULDER BOLTS
N055A	1	13mm A325 STRUCTURAL NUT
W050A	1	27mm OD X 14mm ID A325 STR. WASHER

GENERAL NOTES

- GENERAL NOTES
1. Wood posts are required with the Sequential Kinking Terminal.
 2. All bolts, nuts, cable assemblies, cable anchors and bearing plates shall be galvanized.
 3. When the Sequential Kinking Terminal is selected as the end treatment for MBFG installation, the MBFG can be flared at a rate of 25:1 over the first 15.2m of the system to prevent the impact head from encroaching on the shoulder. The flare may be decreased or eliminated for specific installations. A 25:1 flare rate can be used at curb sections, beginning at post number five and ending at post number one.
 4. The soil tubes shall not protrude more than 100mm above ground (measured along a 1500mm cord). Site grading may be necessary to meet this requirement.
 5. The soil tubes may be driven with an approved driving head. Soil tubes should not be driven with the wood post in the tube. If the tubes are placed in drilled holes, the backfill material must be satisfactorily compacted to prevent settlement.
 6. When intact rock is encountered during excavation, a 300mm Ø post hole, 500mm deep may be used if approved by the engineer. Granular material will be placed in the bottom of the hole approx. 65mm deep to provide drainage. The soil tubes will be field cut to length, placed in the hole and backfilled with adequately compacted material excavated from the hole.
 7. The breakaway cable assembly must be taut. A locking device, (vice grips or channel lock pliers) should be used to prevent the cable from twisting when tightening nuts.
 8. The wood blockouts should be "toe nailed" to the rectangular wood posts to prevent them from turning when the wood shrinks.
 9. For curb installations, the soil tubes and posts shall be installed at the proper ground elevation behind the curb. The posts may require field drilling new holes to accommodate the rail to the post connecting bolt to maintain the proper height of the rail above the gutter pan. The excess post length above the rail can be removed if directed by the engineer.
 10. A special site evaluation should be considered prior to using the Sequential Kinking Terminal where there is less than 7.5m between the outlet side of the Sequential Kinking Terminal and any adjacent driving lane.

SEQUENTIAL KINKING TERMINAL
(SKT-350) ASSEMBLY
2 FOUNDATION TUBE OPTION

DRAWN BY	DATE	DWG NO.	PG	OF
LS	04/24/97	SKT-2	1	1

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